Seaborn Figures

Tuesday, September 28, 2021

**Clustermap / heatmap**

Change tick labels color

*for* xtick *in* grid.ax\_heatmap.get\_xticklabels():

xtick.set\_color('red')

Remove tick labels

grid.ax\_heatmap.set\_yticklabels([])

Remove tick marks

grid.ax\_heatmap.tick\_params(right=*False*)

Change empty values color

grid.ax\_heatmap.set\_facecolor('xkcd:grey')

Change colorbar ticks

grid.cax.yaxis.set\_ticks(np.arange(-1,1.0001,0.25))

Get heatmap position. Result is - (x start pos, y start pos, x size, y size)

grid.ax\_heatmap.get\_position().bounds

(without the .bounds - x start pos, y start pos, x start pos, y end pos)

ax.get\_position().get\_points() - get x start pos, y start pos, x start pos, y end pos as array

**Clustermap**

Add axes to clustergrid. Also, extract heatmap axes position

From script 2021\_10\_10 ab ranking.py

# Add domains axes

grid.fig.subplots\_adjust(bottom=0.2)

heatmap\_start\_x = grid.ax\_heatmap.get\_position().get\_points()[0,0]

heatmap\_end\_x = grid.ax\_heatmap.get\_position().get\_points()[1,0]

ax = grid.fig.add\_axes([heatmap\_start\_x, 0, # start x, start y

heatmap\_end\_x-heatmap\_start\_x, 0.1]) # width x, width y

Extract reordered index from the dendrogram:

* Index order by indices (integers: 0 to the length of the index minus 1) - grid.dendrogram\_row.reordered\_ind
* Index order by index labels (the names of the index (rows)) - df.iloc[grid.dendrogram\_row.reordered\_ind].index

**Boxplot**

Specifying a color for each box manually, by values

my\_pal ={"versicolor":"g","setosa":"b","virginica":"m"}

sns.boxplot(x=df["species"],y=df["sepal\_length"],palette=my\_pal)